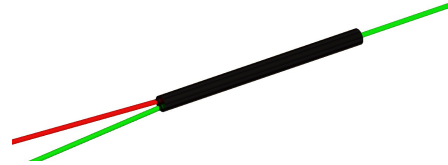


## Features

These low-loss bidirectional fiber-optic wavelength division multiplexer (WDM) are based on graded-index (GRIN) lenses. Dichroic filters are used to combine or separate different wavelength. They exhibit low sensitivity to changes in modal distributions and are available in housings which can be mounted in standard splicing enclosures.

## Applications

- industrial and medical sensor application
- traffic management systems
- measuring and test equipments
- local area networks (LAN)



## Specifications

<b>Optics</b>	
- fiber type	multimode graded-index
- core / cladding diameter	50/125 $\mu\text{m}$ / 62.5/125 $\mu\text{m}$ / 100/140 $\mu\text{m}$
- numerical aperture (NA)	50 $\mu\text{m}$ = 0.20 / 62.5 $\mu\text{m}$ = 0.27 / 100 $\mu\text{m}$ = 0.27
- wavelength $\lambda_1$	700 nm – 900 nm
- wavelength $\lambda_2$	1260 nm – 1360 nm
- typical insertion loss (IL) $\lambda_1$	< 0.8 dB
- typical insertion loss (IL) $\lambda_2$	< 0.8 dB
- typical isolation $\lambda_1$ in $\lambda_2$	> 21 dB (up to 40 dB available)
- typical return loss (RL)	> 60 dB
<b>Mechanics</b>	
- standard pigtail type	bare fiber / 0.9 mm loose tube / 2.7 mm cable
- standard pigtail length	2 m (in- and output ports)
- operating temperature	- 20°C to 85°C
- storage temperature	- 30°C to 90°C
- housings (ref to data sheet)	A40 / B701 / splicing enclosure
- without connector	available on custom specific demand

- special WDM are available on custom specific demand

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